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28107 7590 03/21/2007

JORDAN AND HAMBURG LLP  
 122 EAST 42ND STREET  
 SUITE 4000  
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Herbert F. Ruschmann (Depositor's name)  
*H F Ruschmann* (Signature)  
 June 20, 2007 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/511,310	10/15/2004	Hiroshi Hasegawa	F-8422	6603

TITLE OF INVENTION: VANE ROTARY EXPANSION ENGINE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	08021/2837 HSEBRE	\$1700.00	06/21/2007
EXAMINER	AKI UNIT	CLASS-SUBCLASS				
TRIEU, THERESA	3748	418-015000		01 FC:1501 02 FC:1504		1483.00 09 300.00 09

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  
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2. For printing on the patent front page, list  
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Jordan and Hamburg LLP  
 2 \_\_\_\_\_  
 3 \_\_\_\_\_

## 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Osaka, JAPAN

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

## 4a. The following fee(s) are submitted:

- ☒ Issue Fee  
☒ Publication Fee (No small entity discount permitted)  
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## 5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

*C. Bruce Hamburg* *Reg 35341*

Date June 20, 2007

Typed or printed name

C. Bruce Hamburg

Registration No. 22,389

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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Docket No. F-8422

Mail Stop Issue Fee

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Hiroshi HASEGAWA, et al.  
Serial No. : 10/511,310  
Filed : October 15, 2004  
For : VANE ROTARY EXPANDER  
Group Art Unit : 3748  
Examiner : Theresa Trieu  
Confirmation No. : 6603  
Customer No. : 000028107  
Allowance Date : March 21, 2007

Certificate of Facsimile Transmission Under 37 CFR 1.8

I hereby certify that this correspondence is being transmitted in accordance with 37 CFR §1.6(d) to the United States Patent Office addressed to MAIL STOP ISSUE FEE, COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, VA 22313-1450 on June 20, 2007 to facsimile no. (571) 273-2885.

TOTAL NUMBER OF PAGES TRANSMITTED: 4  
PLEASE TRANSMIT ACKNOWLEDGMENT TO 212 953 7733

Herbert F. Ruschmann  
(Name)

*Herbert F. Ruschmann*  
(Signature)

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F-8422

Ser. No. 10/511,310

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Respectfully submitted,

Jordan and Hamburg LLP

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